

LED Linear Highbay Light

Product Description

Linear Highbay use best die-casting aluminum housing, anti-corrosion painting design. High-performance Replace 300-1000W MH/HPS.



Advantage

- UL DLC certificate.
- Input voltage 120-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.

Light is soft and uniform, safe to eyes.

- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.
- Output constant current lever can be adjusted through output cable with 1-10V.

*The product can not be connected to a dimming device when it's equipped with Motion Sensor.



Type A

Type B

Type C

Type D

Applications

Warehouse, factory and workshops; Exhibition hall and supermarkets, etc

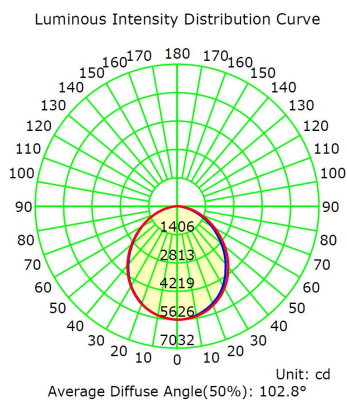


LED Linear Highbay Light

Specifications

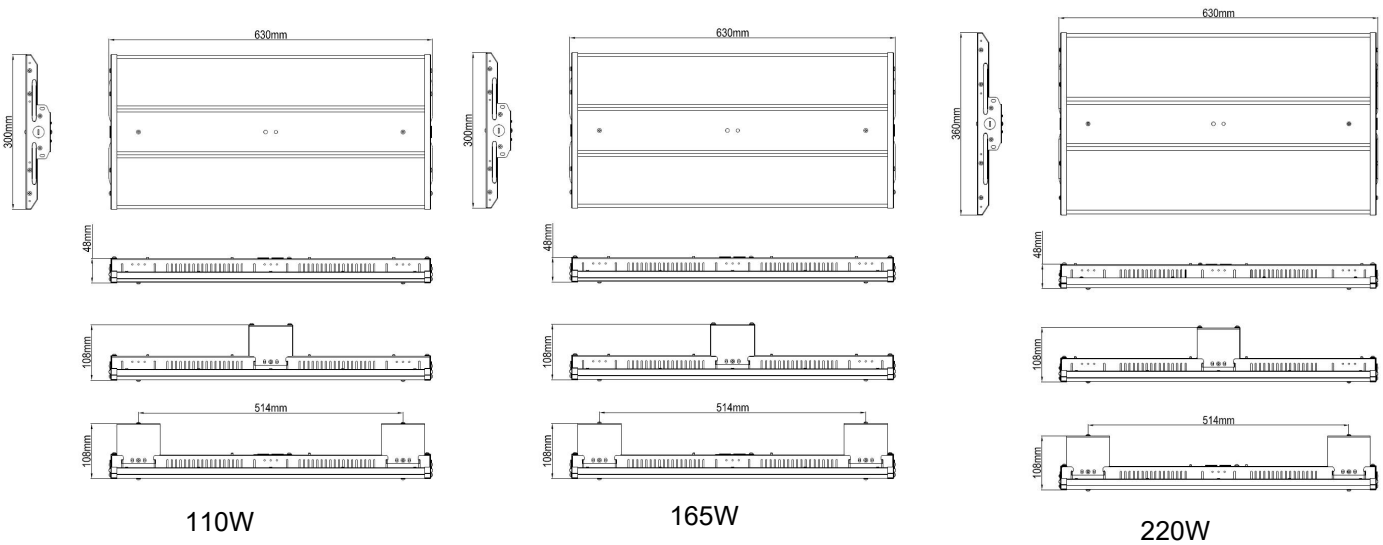
Model No.	LS-LHBV2-110WBFP2C1-abd	LS-LHBV2-165WBFP2C1-abcd	LS-LHBV2-220WBFP2C1-abcd
Input Power	110W	165W	220W
Lumen	14300-15000LM	21600-22800LM	28200-29700LM
Lumen Efficacy	136-142LM/W	135-142LM/W	133-140LM/W
Color Temperature	4000K, 4500K, 5000K, 5700K		
CRI	>80		
Viewing Angle	100 Degree		
Input Voltage	120-277VAC 50/60Hz		
PF	≥0.9		
THD	≤20%		
Driver Brand	China brand driver		
Optional Accessory	Motion Sensor, PIR Sensor		
LED Brand	Lumileds		
LED Type	SMD2835 (0.5W)		
LED QTY	330 PCS	504 PCS	660 PCS
Housing	Aluminum Alloy		
Housing Color	White		
Waterproof Rating	DAMP		
Operating Temperature	-40°C TO 45°C		
Operating Humidity	20%-90% RH		
Storage Temperature	-40°C TO 80°C		
Storage Humidity	10%-95% RH		
Warranty Time	5 Years		
Option Note	B= LED manufacture, Lumileds 2835, F=Cover type, Frosted lens, P2= Class P Driver C1= Version number, a= Housing colors, WH=White, b=Sensor, MS or PS or Blank (Motion Sensor or PIR Sensor) d= CCT, 40=4000K, 45=4500K, 50=5000K, 57=5700K		

Photometrics



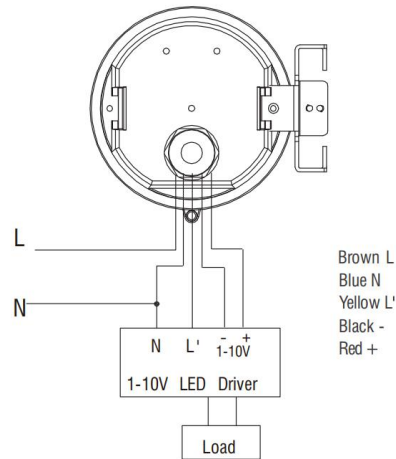
LED Linear Highbay Light

Dimensions



Accessory Optional

1) Motion Sensor Option



On/off control



Detection area



Hold-time



Daylight threshold



Stand-by period



Stand-by dimming level



Remote control setting



10-15M Highbay altitude



5 years

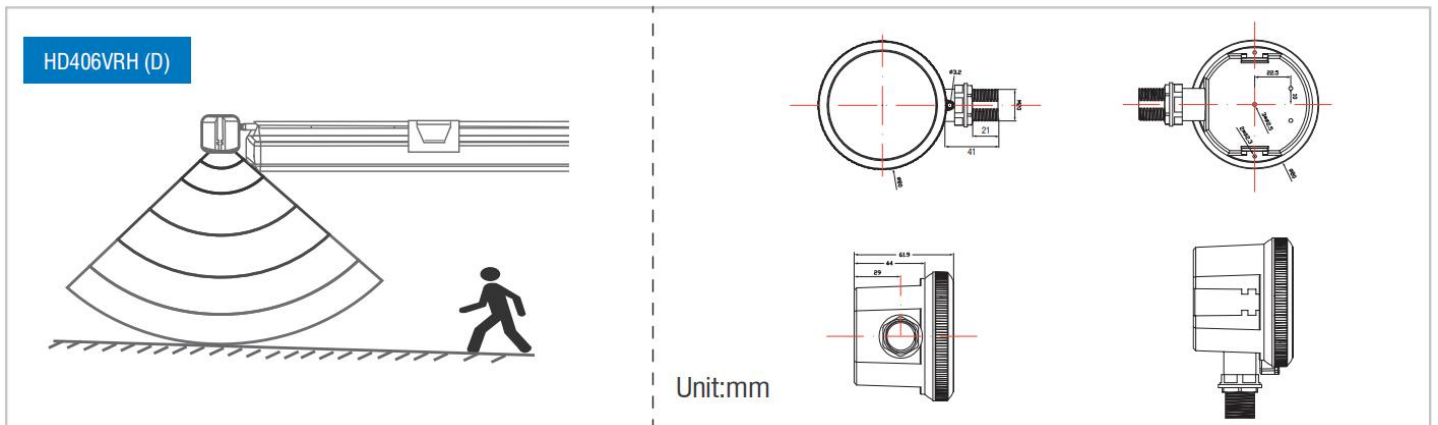
01 Technical data

Operating voltage	120-277VAC, 50Hz/60Hz
Switching capacity	Max, 3.0A@120Vac, 50/60Hz; Max, 2.0A@277Vac, 50/60Hz
Standby power	<1W
Detection area	25%/50%/75%/100%
Hold-time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight threshold	2Lux/10Lux/30Lux/50Lux 80Lux/120Lux/Disable
Stand-by period	0s/10s/30s/1min/5min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<1mW
Mounting height	Max. 15m
Detection range	Max. (D x H): 16m x 15m
Control line	Brown L, Blue N, Yellow L', Black -, Red +
Operating temperature	-35°C ~ +60°C
IP rating	IP65
Detection angle	150°(wall installation), 360°(ceiling installation)
Safety standard	EN61347-1 EN61347-2-13 EN60598-1

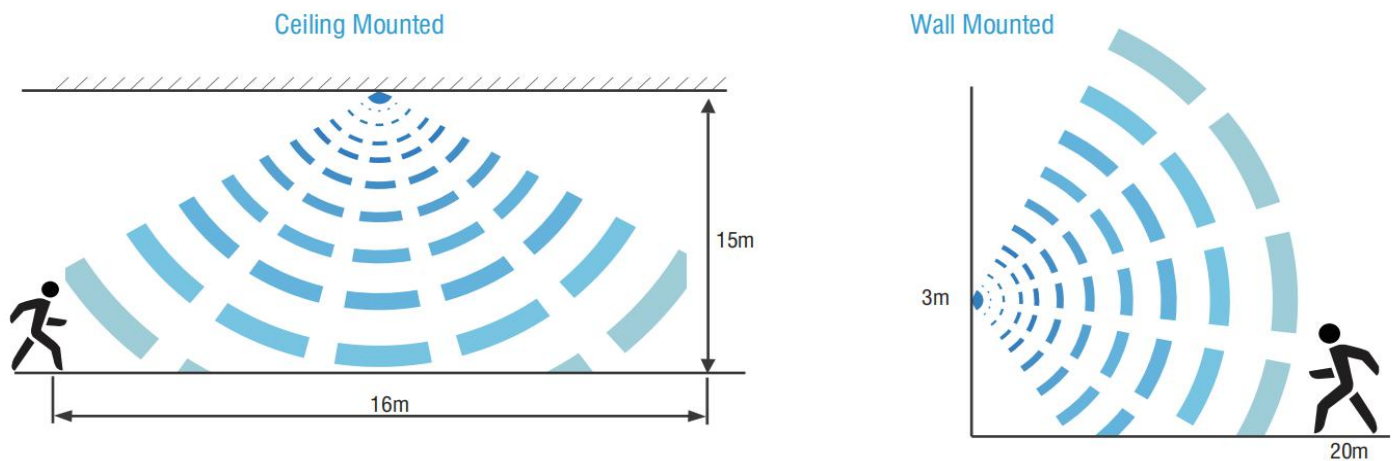
Note: Motion sensor setting and dimming setting please refer to remote control HD02R.

LED Linear Highbay Light

02 Installation Method

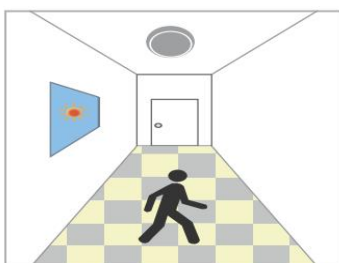


03 Detection coverage



04 Application

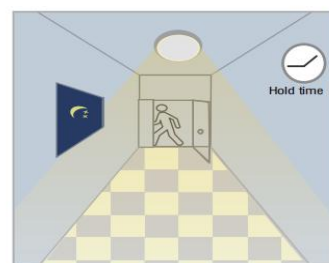
Function Demo - Dimmable control/Corridor function



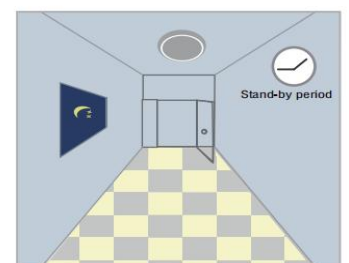
With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



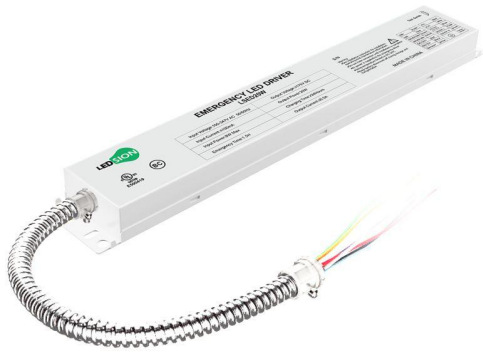
After last detection, the light will be dimmed down to the stand-by dimming level(10%,20%,30% or 50%) after holdtime.



After the stand-by period, light OFF.

LED Linear Highbay Light

1) Emergency Option



100-347Vac

UL US CE RoHS
LISTED E500419

HIGH VOLTAGE OUTPUT
175VDC

CONSTANT POWER
EMERGENCY OUTPUT

Self Test

CAUTION: The Emergency LED driver must connect to 0/1-10V dimming wires(DIM+,DIM-)of the fixture if the LED luminaire power is exceed the emergency LED driver power.

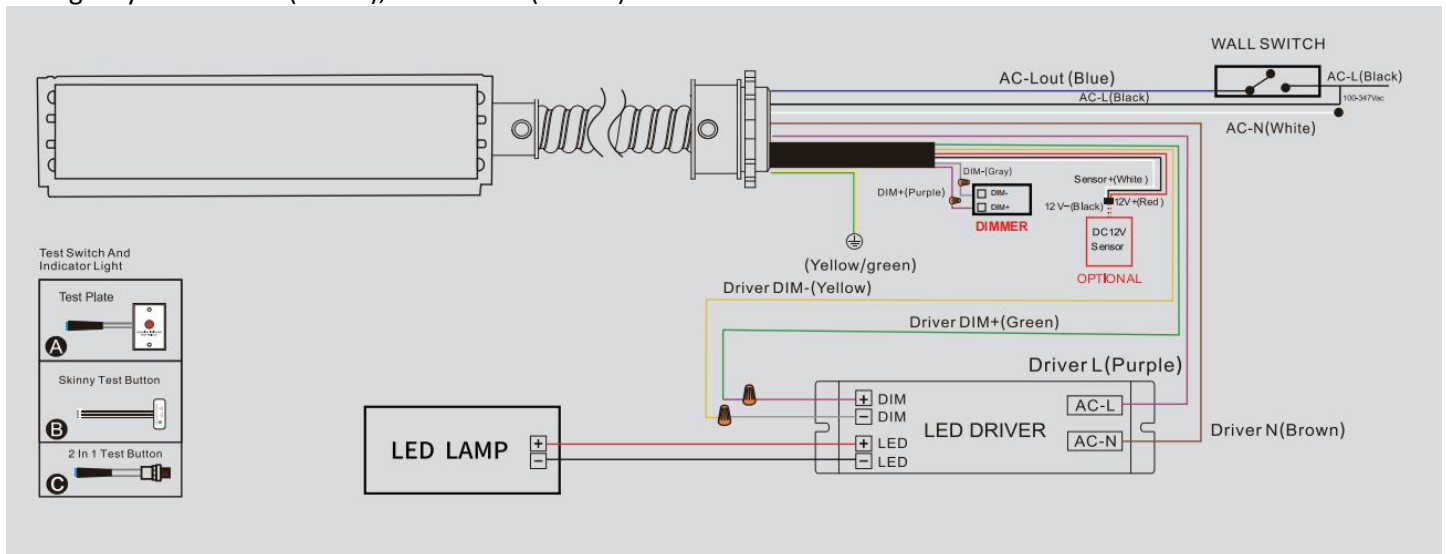
MODEL NO.	LSED20W	Discharging Time	≥90 Minutes
Input Voltage	100-347Vac , 50/60Hz	Charging Time	≥24 Hours
Input Current	≤100mA	Conduit length	17.7 "(450mm)
Input Power	8W max	Battery	Li-ion Battery
Output Voltage	≤175Vdc	Full Warranty	5 Years
Output Power	20W	Dimensions	12.91" x1.9" x0.94" (328x50x23.8mm)
Application	① ≤150W(0/1-10V Dimmable Fixture) ② ≤20W LED Lamps without dimming function	Ambient temperature	0°C to+50°C (32°F to122°F)

Wiring Diagram

Wiring 1: For LED Driver With Input Power Higher than Emergency Output Power

0/1-10V Dimmable LED Driver + Dimmer Switch

Emergency Driver Dim+(Green), Driver Dim-(Yellow) have to connect with LED driver DIM+ and DIM-

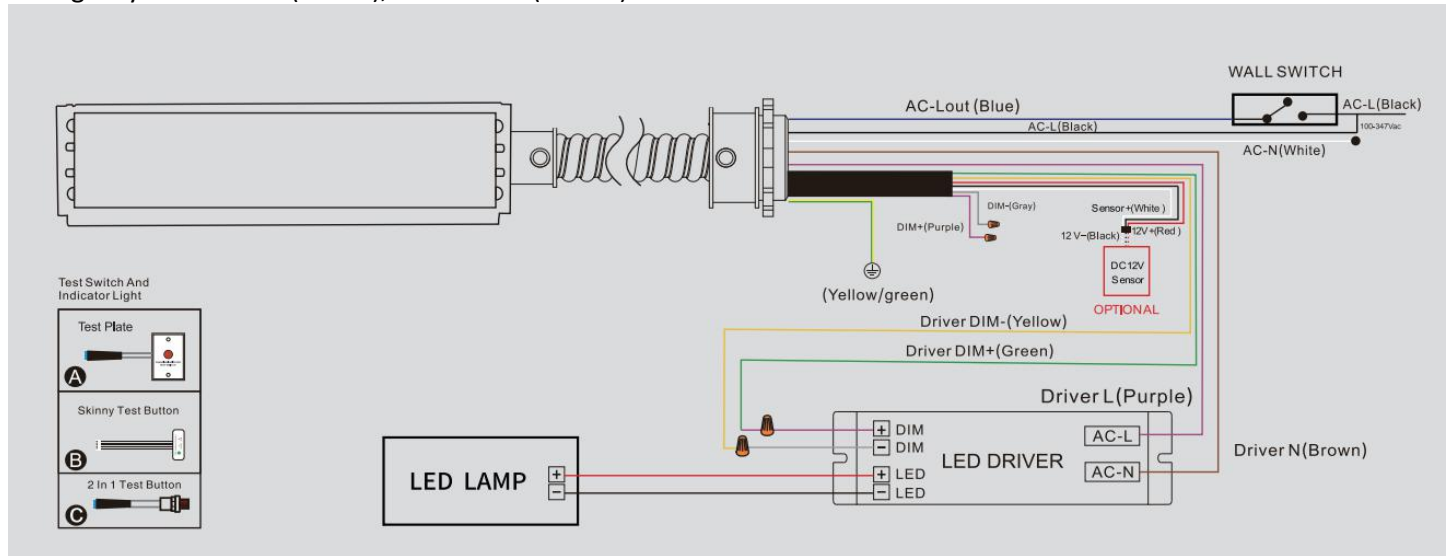


LED Linear Highbay Light

Wiring 2: For LED Driver With Input Power Higher than Emergency Output Power

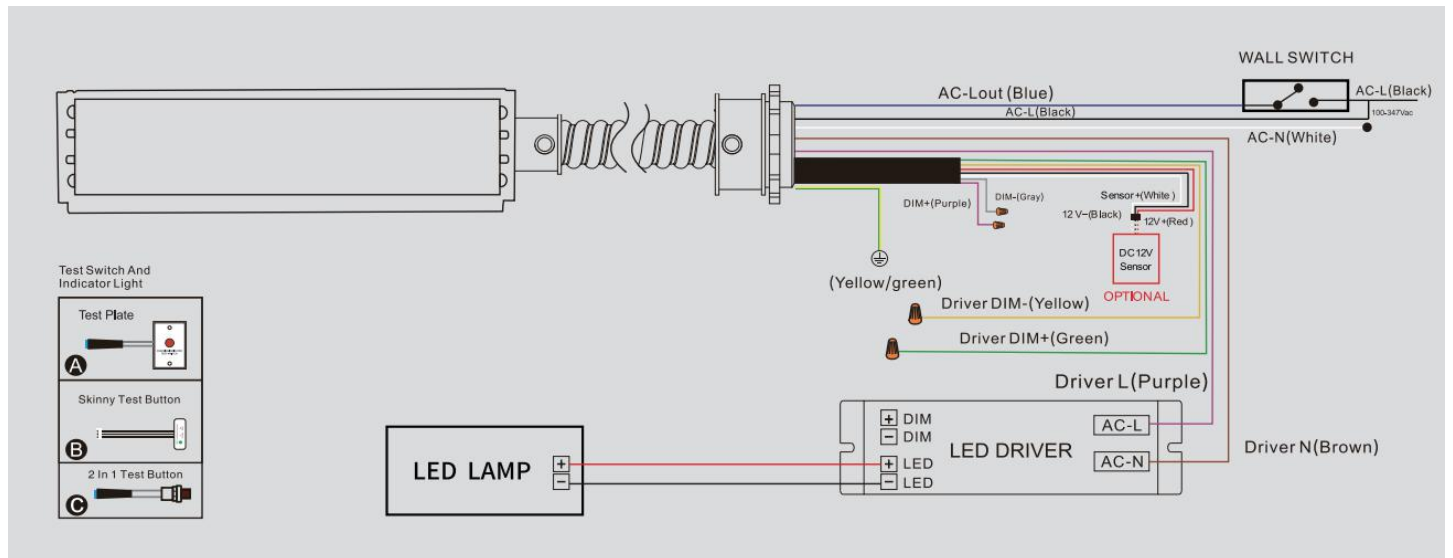
0/1-10V Dimmable LED Driver + Wall Switch

Emergency Driver Dim+(Green), Driver Dim-(Yellow) have to connect with LED driver DIM+ and DIM-



Wiring 2: For LED Driver With Input Power Less than Emergency Output Power

NON Dimmable LED Driver



IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following

PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

IMPORTANT: Before installing, make certain the AC Power to the fixture is off to avoid electric shock.

IMPORTANT: Do not connect battery connector until all wires are completely installed and before the AC power to the fixture is back on

IMPORTANT: An un-switched AC power source of 100VAC to 347Vac is required. This device is designed for use in fixtures listed for dry and damp locations.

IMPORTANT: Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.

IMPORTANT: It is recommended to charge the battery within half a year to prevent over discharge.

CAUTION: Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.

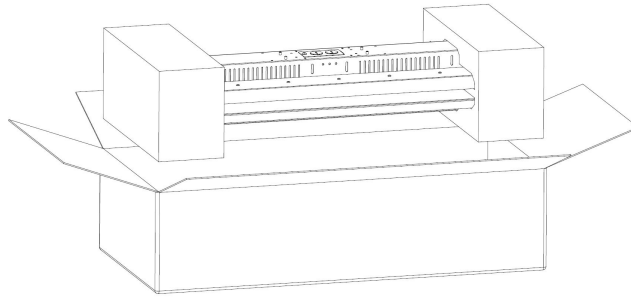
CAUTION: Do not let power supply cords touch hot surface.

CAUTION: Do not mount near gas or electric heaters.

LED Linear Highbay Light

Packing info.

Model	Type	Carton Dimension(mm/in)	Qty/Carton	N.W(kg/lbs)	G.W(kg/lbs)
110W	Outer box	720*360*185 mm (28.35*14.17*7.28in)	2pcs	6.4kg (14.08lbs)	8.2kg (18.04lbs)
	Outer box(Sensor)	870*360*130 mm (34.25*14.17*5.12in)	1pcs	3.4kg (7.48lbs)	5.0kg (11lbs)
165W	Outer box	720*360*185 mm (28.35*14.17*7.28in)	2pcs	7.0kg (15.4lbs)	8.7kg (19.14lbs)
	Outer box(Sensor)	870*360*130 mm (34.25*14.17*5.12in)	1pcs	3.7kg (8.14lbs)	5.2kg (11.44lbs)
220W	Outer box	720*420*185 mm (28.35*16.54*7.28in)	2pcs	8.2kg (18.04lbs)	10kg (22lbs)
	Outer box(Sensor)	870*420*130 mm (34.25*16.54*5.12in)	1pcs	4.3kg (9.46lbs)	5.9kg (12.98lbs)



Notice for User

Please turn off power before install or change assembly parts.

The input voltage and lamps should be matched, after connecting the power line,

Please make sure the wiring section is insulated.

No-professionals, must not install and disassemble the lamps.

After-sale Service

The product refers to electricians knowledge. Please don't disassemble it by yourself.

If any quality problem happens, please contact the factory for warranty details.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are without notice.